|  |  |  |
| --- | --- | --- |
| ITU Logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | TSAG-TD1194 |
| **TSAG** |
| **Original: English** |
| **Question(s):** | N/A | Virtual, 10-17 January 2022 |
| **TD** |
| **Source:** | Chairman, ITU-T Study Group 3 |
| **Title:** | ITU-T SG3 Lead Study Group Report |
| **Purpose:** | Information |
| **Contact:** | Seiichi TsugawaKDDI CorporationJapan | Tel: +81 80 5943 9906E-mail: se-tsugawa@kddi.com  |

|  |  |
| --- | --- |
| **Keywords:** | ITU-T SG3; Lead Study Group; |
| **Abstract:** | This TD reports on the progress to date on the lead study group roles of ITU-T SG3. It updates on activities since the last TSAG meeting (virtual, 25-29 October 2021).  |

**Report of Lead Study Group 3 Activities**

WTSA-16 assigned three lead study group function to Study Group 3 on the following topics:

* Tariff and accounting principles relating to international telecommunication/ICT
* Economic issues relating to international telecommunication/ICT
* Policy issues relating to international telecommunication/ICT.

## 1 Achievements

Annex 1 provides a set of tables that lists the results, between 1 November 2021 and 17 December 2021, of ITU-T SG3 concerning its work on Recommendations on the above lead study group topics. SG3 has currently not identified any other work on economic and policy issues in the other ITU-T study groups, but is aware of some related activities in certain cases.

## 2 Ongoing work

ITU-T SG3 held its seventh and final virtual meeting in this study period from 13 to 17 December 2021.

Annex 2 presents recommendations and other texts in scope of the above lead study group functions currently under development in ITU-T study groups.

**3 Lead study group on tariff and accounting principles relating to international telecommunication/ICT**

The studies on accounting principles are being carried out by Q1/3, Q4/3, Q7/3, and Q12/3.

**4 Lead study group for economic and policy issues relating to international telecommunication/ICT**

The studies on economic and policy issues are being carried out by Q3/3, Q4/3, Q6/3, Q7/3, Q9/3, Q10/3, Q11/3, and Q12/3. The activities on economic issues are summarized as follows.

* SG3 approved draft Recommendation ITU-T D.1102 (D.ConsumerOTT) “Customer redress and consumer protection mechanisms for OTTs”.
* SG3 agreed to Supplement 5 to Recommendation ITU-T D.52 (STUDY\_D52GUIDE), “Implementation guidelines for Recommendation ITU-T D.52 focusing on operationalization of regional Internet exchange points”.

## 5 Implementation of ITU Resolutions

SG3 as Lead Study Group on tariff and accounting principles, on economic issues, and on policy issues relating to international telecommunication/ICT considers:

* Implementation of WTSA Resolutions 29, 44, 54, 61, 62, 64, 65, 84, 88, 89, and 95;
* Implementation of PP Resolutions 2, 21, 101, 102, 123, 130, 137, 146, 180, 197, 203, 204, 205, 206, COM5/Rec.8;
* Implementation of WTDC Resolutions 22, 23, 63, and 77;
* Implementation of WCIT-12 Articles/Resolutions: 3.7, 4.4, 4.5, 4.6, 4.7, 8.1.1, 8.1.2, 8.2.1, 8.3.1, Appendix 1/1.2, Appendix 1/3.1.3, and Resolution 5 (Dubai 2012).

SG3 mapped out significant items of relevance for the work of SG3 related to the outcomes of Plenipotentiary Conference (PP-18), World Telecommunication Standardization Assembly (WTSA-16), World Telecommunication Development Conferences (WTDC-17), and World Conference on International Telecommunications (WCIT-12), as contained in [SG3-TD341/PLEN](https://www.itu.int/md/T17-SG03-211213-TD-PLEN-0341).

**6 Engagement of developing countries**

SG3 has six regional groups, of which five regional groups are active, and one regional group is established on an as-needed basis. In the reporting time frame, one regional group of SG3 met virtually with strong participation of developing countries, which helped to prepare the December 2021 SG3 parent meeting.

* Report of SG3 Regional Group for Africa (SG3RG-AFR) meeting held virtually, 26-29 July 2021 ([SG3-TD353/PLEN](https://www.itu.int/md/T17-SG03-211213-TD-PLEN-0353))

**6.1 Regional Recommendations**

During the meeting of SG3 Regional Group for Africa (SG3RG-AFR) held virtually from 26 to 29 July 2021, the following new draft regional Recommendation from the series of “Recommendations applicable to the African Region (ITU-T D.600-D.699)” was determined:

1. Recommendation ITU-T D.608R “*OTT Voice Bypass*”

During the SG3 meeting (virtual, 13-17 December 2021) the group was informed of SG3RG-AFR’s decision to apply the approval process as per Section 9.2 of WTSA Resolution 1 ([SG3-TD343/PLEN](https://www.itu.int/md/T17-SG03-211213-TD-PLEN-0343)). SG3 agreed for TSB initiates the TAP consultation for the text through the TSB Director among the member states of the regional group.

**7 Capacity building**

* Bridging the Standardization Gap (BSG) activities are highlighted at meetings as a measure to build capacity and to improve working methods in study group functions.
* Tutorials and guidelines on the presentation, format and submission of contributions are routinely presented at meetings in order to advance the work of ITU-T SG3.

## 8 Cooperation with ITU-T Lead Study Groups, and with TSAG

During the December 2021 meeting, SG3 sent the following liaison statements:

* To ITU-T SG13, SG16, SG20 on draft Technical Report, “Economic and policy aspects of Big Data in international telecommunication services and networks”
* To ITU-T SG2, SG9, SG16, SG20 on OTT-related activities;
* To ITU-T SG2 on the OTT bypass definition;
* To ITU-T SG13 on draft Technical Report on “IMT2020-Related Policy Considering MVNOs”;
* To ITU-T SG16 on the topics of audio structuralizing and alternative calling procedures;
* To ITU-T SG20 on draft Technical Report “Accounting & Billing aspects in IoT ecosystem and integrated approach using Distributed Ledger Technology (DLT)”
* To TSAG on WTSA-20 preparations and WTSA-16 Resolution 73 (Rev. Hammamet, 2016).

# 9 Cooperation with other Coordination Groups

During the December 2021 meeting, SG3 did not send any liaison statement to coordination groups. Previously, during the May 2021 meeting, SG3 sent a liaison statement to JCA-IMT2020 on the current online version of the roadmap of IMT2020 and beyond standardization and the nomination of SG3 representative to the group.

# 10 Collaboration with ITU-D, and Collaboration with ITU-R

During the December 2021 meeting, SG3 did not send any liaison statement to ITU-D and ITU-R. Previously, during the May 2021 meeting, SG3 sent a liaison statement to ITU-D SG1 Q3/1, Q4/1 to inform on the approval of the draft new Recommendation ITU-T D.1102 (D.ConsumerOTT), “Customer redress and consumer protection mechanisms for OTTs”, and to provide the current baseline text for the draft Technical Report on “IMT2020-related policy considering MVNOs”.

## Annex 1Achievements of ITU-T Study Groups onTariff and accounting principles relating to international telecommunication/ICT,Economic issues relating to international telecommunication/ICT,Policy issues relating to international telecommunication/ICT(1 November 2021 - 17 December 2021)

**a) Recommendations approved**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | ITU-T D.1102 | Customer redress and consumer protection mechanisms for OTTs |

**b) Supplements agreed**

|  |  |  |
| --- | --- | --- |
| **SG** | **No.** | **Title** |
| SG3 | D.Suppl5 (STUDY\_D52GUIDE) | Supplement 5 to Recommendation ITU-T D.52, *Implementation guidelines for Recommendation ITU-T D.52 focusing on operationalization of regional Internet exchange points* |

**c) Draft Recommendations determined**

None.

## Annex 2Current work plan of ITU-T Study Groups onTariff and accounting principles relating to international telecommunication/ICT,Economic issues relating to international telecommunication/ICT,Policy issues relating to international telecommunication/ICT(status 20 December 2021)

| **SG** | **Q** | **No.** | **Title** |
| --- | --- | --- | --- |
| SG3 | 1 | STUDY\_DR\*\* | Dispute Resolution Processes (previously "Dispute Resolution Related to Charging and Invoicing") |
| SG3 | 1 | TR\_AccountingIOT\*\* | Accounting & Billing aspects in IoT ecosystem |
| SG3 | 1 | TR\_DLTUSF\*\* | Use of distributed ledger technology to improve management of the Universal Service Fund |
| SG3 | 3 | D.Classification\* | Classification of telecommunications services in data networks |
| SG3 | 3 | D.datatariff\* | Principles for tariff regulation of Data Services |
| SG3 | 3 | D.GVR\* | Towards better governance of telecommunication regulation |
| SG3 | 3 | D.IoTpolicy\* | Guidelines on Tariff and regulatory aspects of Internet of Things (IoT) |
| SG3 | 3 | D.Licensing\* | Mechanisms for pricing of licenses for mobile/broadband/fixed |
| SG3 | 3 | STUDY\_DTRANS\*\* | Future of Regulation for Digital Transformation |
| SG3 | 3 | STUDY\_EPQoS\*\* | Study of economic and policy factors relevant to the efficient provision of international telecommunication services |
| SG3 | 3 | STUDY\_IMT2020MVNOs\*\* | 5G related policy considering MVNOs |
| SG3 | 6 | D.50.Suppl.3\*\* | Reducing the cost of the international Internet connectivity of the Central African Backbone (CAB) project, Central African Republic component |
| SG3 | 6 | D.BGPE\* | Proposed new recommendation on International Internet Connectivity |
| SG3 | 6 | D.CompIIC\* | Draft Recommendation ITU-T D.XX on Framework for the Competitive Provision of International Internet Connectivity (IIC) |
| SG3 | 6 | D.CostModelIIC\* | Cost model for international Internet connectivity |
| SG3 | 6 | STUDY\_IIC\*\* | International Internet Connectivity, including IP peering, Regional Traffic Exchange Points, and cost of provision of services |
| SG3 | 6 | STUDY\_TCST\*\* | Charging and accounting settlements in Trans-multi-country terrestrial cable circuit |
| SG3 | 7 | D.IoT/M2M Roaming\* | Roaming aspects of IoT and M2M including any related development and tariff principles |
| SG3 | 7 | STUDY\_ROAMREG\*\* | Regional Roaming Initiatives |
| SG3 | - | D6\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| SG3 | - | D7\_R\_ROAM\*\*\* | Regional Recommendation to address high roaming charges, regulatory approaches and impact on traffic |
| SG3 | 7 | TR\_IoTM2M\_roaming\*\* | Roaming aspects of IoT and M2M including any related development and tariff principles |
| SG3 | 8 | D.SIMBOX\* | Economic impact of SIMBOX bypass |
| SG3 | 8 | STUDY\_ACPMI\*\* | Alternative Calling Procedures, and misappropriation and misuse of facilities and services (CLI, CPND and OI) |
| SG3 | 9 | D.OTTBypass\* | OTT Bypass |
| SG3 | - | D7\_R\_OTTBypass\*\*\* | Regional Recommendation on OTT bypass including national and regional collaboration between Member States and operators to deal with the OTT bypass issue |
| SG3 | - | D.608R (ex D6\_R\_OTT Bypass)\*\*\* | OTT Voice Bypass |
| SG3 | 9 | STUDY\_Convergence\*\* | Study on the economic impact of convergence of technology and services and the role of the Regulator |
| SG3 | 10 | D.CrossBorderSMP\* | Quantifying cross-border market power |
| SG3 | 10 | D.DynamicTariff\* | Impact of Dynamic Tariffing on Market Competitiveness |
| SG3 | 10 | D.NumberPort\* | Recommendation ITU-T "Methodological guide for determining the impact of numerical portability on competition " |
| SG3 | 11 | D.princip\_bigdata\* | ITU-T D.policy framework and principles for data protection in the context of big data relating to international telecommunication services |
| SG3 | 11 | STUDY\_bigdata\*\* | Technical Paper on economic and policy aspects of Big Data in international telecommunication services and networks |
| SG3 | 12 | D.AgentMFS\* | Guidelines for Mobile Financial Service Agents |
| SG3 | 12 | D.ConsumerMFS\* | Consumer Protection in Mobile Financial Services |
| SG3 | 12 | D.InteropCompetition\* | Interoperability for Competition in Mobile Financial Services |
| SG3 | 12 | D.MFSCM\* | Mobile Financial Services Transaction Cost Model |
| SG3 | 12 | D.MFScoop\* | Guidelines for MOU between telecommunications regulators and central banks taking into account the Zambian experience and existing MOU. |
| SG3 | 12 | STUDY\_DCB\*\* | Direct Carrier Billing |

Notes:
\* Marked draft Recommendations are for determination.

\*\* Texts for approval by agreement (AAP/TAP not applicable)

\*\*\* Regional Recommendation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_